

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
28 April 2005 (28.04.2005)

PCT

(10) International Publication Number  
**WO 2005/037295 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 33/14**,  
33/24, 31/198, A61P 35/00

(21) International Application Number:  
PCT/FI2004/000618

(22) International Filing Date: 15 October 2004 (15.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
03103850.8 17 October 2003 (17.10.2003) EP

(71) Applicant (for all designated States except US): **HELS-  
INGFORS INSTITUTION FÖR BIOIMMUNTERAPI**  
AB [FI/FI]; c/o Oy Julius Tallberg, Karaäkersvägen 11,  
FI-02610 Esbo (FI).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **TALLBERG, Thomas**  
[FI/FI]; Enåsvägen 16 A 2, FI-00200 Helsingfors (FI).

(74) Agent: **KOLSTER OY AB**; Iso Roobertinkatu 23, P.O.  
Box 148, FI-00121 Helsinki (FI).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

## Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

## Published:

— with international search report  
— before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: AGENT AND METHOD FOR TREATING CANCER COMPRISING STRONTIUM, AMINO ACID(S) AND MIN-  
ERAL AGENT(S)

(57) Abstract: The invention relates to the treatment and prophylaxis of cancer. In particular, the invention relates to a phar-  
ma- ceutical agent comprising strontium, amino acid(s) and mineral element(s), and its use in the preparation of an agent useful for the  
treatment and prophylaxis of cancer. The invention also relates to a method for treatment and prophylaxis of cancer.

WO 2005/037295 A1